

WHAT IS CLAIMED IS:

1. A recording medium having a data structure for managing playback control of the recording medium, comprising:

a navigation area storing an information file including a plurality of navigation segments representing one or more reproduction paths of a title, each of the navigation segments including at least one navigation command, a number of the navigation segments each including a navigation command for launching a playlist, and one of the navigation segments being an entry navigation segment of the title.

2. The recording medium of claim 1, wherein at least one branch point along the one or more reproduction paths occurs at a boundary of a launched playlist.

3. The recording medium of claim 2, wherein each branch point along the one or more reproduction paths occurs at a boundary of a launched playlist.

4. The recording medium of claim 3, wherein each of the number of navigation segments includes a navigation command for launching a different playlist.

5. The recording medium of claim 4, wherein each of the navigation segments

representing the one or more reproduction paths of the title includes a navigation command for launching a playlist.

6. The recording medium of claim 5, wherein each launched playlist includes navigation information for reproducing at least a portion of a clip file.

7. The recording medium of claim 6, further comprising:

a playlist area storing a playlist directory, the playlist directory storing the at least one playlist;

a clip information file directory storing at least one clip information file;
and

a stream directory storing at least one clip file.

8. The recording medium of claim 1, wherein each of the number of navigation segments includes a navigation command for launching a different playlist.

9. The recording medium of claim 1, wherein each of the navigation segments representing the one or more reproduction paths of the title includes a navigation command for launching a playlist.

10. The recording medium of claim 9, wherein each of the navigation segments representing the one or more reproduction paths of the title includes a navigation command for launching a different playlist.

11. The recording medium of claim 1, wherein each launched playlist includes navigation information for reproducing at least a portion of a clip file.

12. The recording medium of claim 1, further comprising:

a playlist area storing a playlist directory, the playlist directory storing the at least one playlist;

a clip information file directory storing at least one clip information file;
and

a stream directory storing at least one clip file.

13. A method of recording a data structure for managing playback control of the recording medium, comprising:

recording an information file on the recording medium, the information file including a plurality of navigation segments representing one or more reproduction paths of a title, each of the navigation segments including at least one navigation command, a number of the navigation segments each including a navigation command for launching a playlist, and one of the navigation segments being an entry navigation segment of the title.

14. A method of reproducing a data structure for managing playback control of the recording medium, comprising:

reproducing an information file from the recording medium, the

information file including a plurality of navigation segments representing one or more reproduction paths of a title, each of the navigation segments including at least one navigation command, a number of the navigation segments each including a navigation command for launching a playlist, and one of the navigation segments being an entry navigation segment of the title.

15. An apparatus for recording a data structure for managing playback control of the recording medium, comprising:

a driver for driving an optical recording device to record data on the recording medium;

a controller for controlling the driver to record an information file on the recording medium, the information file including a plurality of navigation segments representing one or more reproduction paths of a title, each of the navigation segments including at least one navigation command, a number of the navigation segments each including a navigation command for launching a playlist, and one of the navigation segments being an entry navigation segment of the title.

16. An apparatus for reproducing a data structure for managing playback control of the recording medium, comprising:

a driver for driving an optical reproducing device to reproduce data recorded on the recording medium;

a controller for controlling the driver to reproduce an information file

from the recording medium, the information file including a plurality of navigation segments representing one or more reproduction paths of a title, each of the navigation segments including at least one navigation command, a number of the navigation segments each including a navigation command for launching a playlist, and one of the navigation segments being an entry navigation segment of the title.